

Dynamics of the alpha-biological diversity of aquatic organisms of the activated sludge

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Abstract

The aim of this study was to analyze the dynamics of alpha-aquatic biodiversity in the activated sludge process of biological wastewater treatment. Aspects of the dynamics of alpha-diversity community aeration Elabuga District treatment facilities (northeast of Republic of Tatarstan, Russia) were considered. The high species richness of aquatic organisms of activated sludge in the continuing long-term dynamics and falling within the optimal values under the influence of industrial waste water demonstrates the effectiveness of biological treatment of sewage treatment plants.

Keywords

Activated sludge, Alpha diversity, Aquatic animals, Evenness, Species abundance, Water treatment plant